CEMVP-PM-A 16 January 2004

MEMORANDUM FOR RECORD

SUBJECT: Project Delivery Team Meeting - Roseau, Minnesota
Feasibility Study, Roseau River

1. On Friday, January 9, 2004 beginning at 10:30 am the subject coordination meeting was conducted in the Executive Conference Room of the District Office. This meeting was well attended with 16 persons in attendance. Participants at this meeting included representatives from the City, Roseau River Watershed District, and the Corps Study Team. A sign-in roster detailing the meeting participants is attached as enclosure 1.

2. The focus of this working meeting was to discuss ongoing delivery team efforts and continue efforts to mobilize upcoming team activities. An agenda of the general items of discussion for this meeting is attached as enclosure 2.

3. Noteworthy items discussed during the meeting included:

- Representatives of the Watershed District provided a short update and answered questions regarding their ongoing formulations of a West Interceptor project. The Watershed District is evaluating 3 alternative plans and will be selecting one very soon to carry forward. One of the key issues they are dealing with in the formulation is effects to the Mud Lake area.
- The County Road 120 is proceeding on a fast pace. The road will be raised to the elevation of 1058 (about 3 feet above the 2002 flood event). Construction contracts have been awarded with construction to be accomplished in 2004.
- Barr Engineering (representing the City) presented an update of the ponding area and pump station design work they are now doing near the downtown area on the west side of the river. The interior drainage hydrologic modeling for the area is almost complete. They are now also beginning concept stormwater planning on the east side.
- The State is continuing to work on the H&H models. The remaining work required focuses on attaining and integrating bridge data. This critical path data and analysis is expected to be available by the end of January. The results of this work will need to be coordinated with FEMA once it is completed to insure acceptance.
- The City is now in the process of designing a recreational trail and temporary emergency levee project. This new City initiative generally follows portions of the Corps preliminary levee alignment alternative. There was considerable discussion about the need to further coordinate the design of this temporary levee and trail so as not to impact upcoming credit to existing levees determinations and yet to integrate this effort with possible Federal project features. A coordination meeting has been tentatively set for 23 January to

discuss the design considerations for this local project. The need for Corps involvement at that meeting and/or in the very near future was agreed to. These involvements should include design engineers and our recreation design specialist/landscape architect and the City Engineer.

- Some new Corps planning procedures were presented and discussed. The new policies allow greater ability to claim benefits for non-structural components of a project and also allow more benefits and flexibility to add recreation and ecosystem restoration benefits into Corps flood control projects. Some of these new policies may have applicability to the Roseau plan formulations and will need to be further evaluated as we proceed with the alternative evaluations.
- A concern was raised about the downstream affects of a diversion plan. This concern is currently a part of the design constraints that will be used in the formulation and care to address this matter in the study will be needed.
- Very preliminary evaluations of diversion alternatives were presented by the Corps and discussed. These evaluations used the existing H&H models and available data to evaluate the west and north aligned diversions to determine the comparative magnitude of stage reduction effects associated with such plans. It was determined that these plans would have less stage reduction effects than previously hoped. More specifically, approximately a 1-foot reduction in stage is now anticipated with a diversion that would carry 30% of the river flow. The north diversion alignment would also only have effects a short distance upstream. However, these alternative plans will need to be further evaluated with the refined hydraulic models and may well still be a part of a combined feature plan (e.g., the north diversion in combination with channel mods and relatively small permanent levees could be very viable).
- Preliminary alignments for intown levees were also briefly discussed and lead to identification by the City of the recreation trails project and potentials for integration into the Federal project. There is a need in the near future for the design team to define the levee elevation (and associated setbacks) thresholds where existing structures would need to be taken. These are key elevations that we need to be aware of as we look to optimize potential project features.
- The aerial images used for the preliminary evaluations were identified to be outdated. There was some discussion about the possible need to obtain new aerial photos that would adequately show changed conditions. This needs further evaluation and coordination.
- Some changes in the PMP/QCP were discussed. These changes are primarily in the integration of possible ecosystem restoration features. More emphasis on identification and integration of these NER benefits is needed and is now reflected in the revised PMP/QCP.
- There was considerable discussion about upcoming public involvement requirements for the team to prepare for. This involves getting the Website for the study functional, preparing a newsletter/s, and preparing for the initial public and interagency meetings. The key information that is needed prior to conducting the public meetings will be establishing the existing and without

project condition write-ups. Considerable efforts by the study team, with support from the City and Watershed District, will be needed to complete these study tasks. The City indicated that the information to be presented to the public should not include any specific assumed alignments (at this time) – to avoid unnecessary local concerns by land/home owners about likely takings. The timing for the public and interagency meetings was tentatively set for the 3rd week of April (more specifics on the logistics of the meeting will need to be coordinated in the near future with the City).

- After the public and interagency meetings are completed, we also will be conducting the Feasibility Scoping Meeting (FSM) which is a required Corps milestone meeting that will brief the Corps Headquarters and Division representatives. We need to begin to prepare for this meeting in the upcoming months.

4. This Delivery Team meeting was well attended and constructive. It was determined that our next team meeting would be scheduled in about 5 to 6 weeks. A design team meeting to further coordinate the design standards associated with the local levees and recreational trail plans will be needed within the next few weeks.

/s/

Ed McNally
Project Manager

Enclosures 2
Sign-in Roster
Meeting Agenda

CF: All Meeting Participants

Subject: **Project Delivery Team Meeting – 9 Jan. 2004 in Exec. Conf. Room of District Office**
RE: **Roseau, Minnesota – Flood Control Feasibility Study**

Sign-In Roster

	Name	*Organization*	*Email and/or Telephone*
1.	Ed McNally	COE	651-290-5387
2.	John Albrecht	COE	651-290-5386
3.	Rick Carlson	COE	651-290-5255
4.	Jeff Stanek	COE	651 290 5731
5.	Bruce PEARL	COE	651-290-5370
6.	Mark Davidson	COE/PAO	651-290-5201
7.	Kevin Bluhm	COE	651-290-5247
8.	JEFF HANSEN	COE	651-290-5649
9.	Gary Wolf	COE	651-290-5209
10.	Dick Beatty	COE	651-290 5273
11.	Bill Spychalla	Barr Engr	952-832-2666
12.	TODD PETERSON	CITY OF ROSEAU	218-463-5003
13.	Rob Sands	Roseau River WSHED	218-463-0313 rrwsd@mncable.net
14.	Farnell Erickson	Roseau River WE	218-525-3780
15.	Tammy Moore	COE	x5394
16.	Ken Beck	COE	651-290-5394
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ENCLOSURE 2

Subject: Project Delivery Team Meeting – 9 Jan. 2004 in Exec. Conf. Rm. DO
RE: Roseau, Minnesota – Flood Control Feasibility Study

A G E N D A

10:30 am - START

Introductions and Welcome +++ Please sign the meeting attendance sheet +++

Short Status of and Overview Regarding Ongoing Flood Recovery and Mitigation Activities

Non-Federal (local) Initiatives/Projects:

- *West Interceptor*
- *Co. Rd. 120 road raise*
- *Design work on restoration and IFC activities*
- *State and DOT H&H actions (i.e., Models and Bridge info)*

Federal Initiatives:

- *Funding in FY04 now set at $300k (to be matched with local share)*
- *Some clarifications on Corps Policy that could affect Roseau (multi-purpose and non-structural are fully credited now…)*
- *Corps H&H efforts (still need bridge inventory from DOT)*
- *Contracted Geotechnical inventories (Barr contract work)*
- *Plan Formulation initiatives*
- *Diversion Alternatives to be evaluated (East, West, North alignments and potential affects and sizes)*
- *Channel Work at RR Bridge and on main channel in town*
- *Intown levees (most likely is an optimized levee height in combination with one or more of the above project features)*
- *Levee only alternative*
- *See the GIS graphics display for brainstorming discussion…*
- *See handout 1 for listing of alternatives (taken from the current PMP).*
- *Revisions to the PMP (See handout - revised 3 Dec 2003 version of PM P / QCP. Note a few refinements made and changes made in NER feature identification and integration). Noteworthy: Sadly, a change in inkind services leader for ITR/VE studies is now needed -- due loss of Bob Post.*

Upcoming Team Focus = Discussion on Upcoming Deliverables

- *Complete H&H models ASAP (by mid-Feb is current schedule if bridge data is timely)*
- *Design team needs to define the strategic levee height/s that would allow key structures to be retained …*
- *Establish the Website (content, format, status) – needed by end of January 04*
- *Newsletter/s (needed prior to the Public Workshops)*
- *Public Workshops (timing and format) – Tentatively set for April*
- *Existing condition/without project condition definition (how to generate, how to present to public, timing)*
- *Prepare for conducting the Feasibility Scoping Meeting (late April or early May?)*

Open for Questions & Answers

Summarize Meeting do-outs and define any breakouts needed

12:15 pm ADJOURN PDT Meeting

Breakouts Sessions are to be held in 6E after the PDT meeting is adjourned, as needed

Handout 1.

This screening of alternatives will include preliminary evaluations of a variety of possible flood reduction features and also identification of possible NER features.

Evaluation and screening of the following alternatives will be accomplished at a low level of detail as part of the screening of alternatives phase of the feasibility study:

1. No action plan; existing without project conditions defined.
2. Non-Structural plans to be looked at as a primary standalone solutions for flood protection.
3. Upstream storage features to be looked at as a primary standalone solutions for flood protection at Roseau. Evaluated capacity requirements for a 100-year level of protection at Roseau. Also, look at upstream storage features in combination with levees/floodwalls constructed at the existing levee system elevation. Evaluated capacity requirements for a 100-year level of protection at Roseau.
4. Diversion channels aligned on West and East sides of the Roseau River to a design that would provide certifiable100-year level of protection at Roseau. These evaluations would attempt to minimize or eliminate permanent Federal levees in-town and would integrate the most cost effective main channel modification feature/s. This will involve evaluations that look at split-flow and full diversion options on East and West channel alignments. A West side split-flow diversion channel, to be located downstream of the city, will also be evaluated as a diversion alternative. Note: The full diversions would eliminate the need for in-town levees.
5. Large levee system and separable increments of that system that would allow protection from 100- year flood events and includes/integrates the most cost effective main channel modification feature/s.
6. An design that would optimize the size of the diversion channel and permanent in town levee components will also be roughed out during the initial screening; The most feasible diversion channel alignment in combination with a smaller Federal levee system and cost effective main channel modification feature/s so as to provide flood reduction capacity for 100-year event discharges.
7. Various main channel modifications to provide localized flood stage relief in the City These evaluations will include the railroad embankment and any river channel areas that are possible to widen to accommodate levee stability or improved effective flow. Determine extent of flood stage relief possible and, as appropriate, integrate these features with the above levee and diversion channel features.
8. NER features to be identified after early environmental coordination.